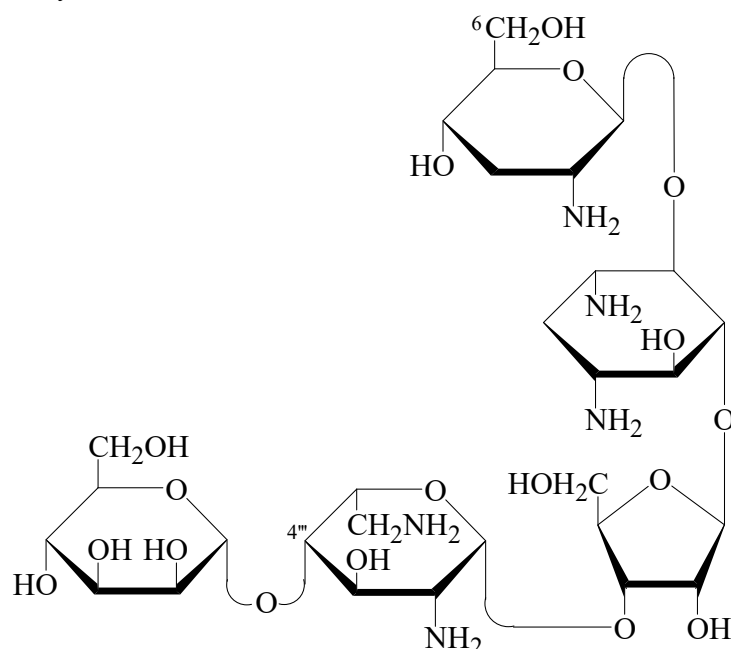




>>Entry Name: Lividomycin A

Synonym(s): Lividomycin, INN. Livaline 500. Quintomycin B. SF 767A. Antibiotic SF 767A. Antibiotic 503-2



CAS Registry Number: 36441-41-5

Related CAS Registry Numbers(s): 11111-23-2

Molecular Formula: $C_{29}H_{55}N_5O_{18}$

Molecular Weight: 761.776

Accurate Mass: 761.354215

Percentage Composition: C 45.72%; H 7.28%; N 9.19%; O 37.80%

Biological Source: Isol. from *Streptomyces lividus*

Use/Importance: Active against gram-positive and gram-negative bacteria

Physical Description: Powder

Melting Point: Mp 197-203 dec.°

Optical Rotation: $[\alpha]_D^{25} +72$ (c, 1 in H_2O)

Calculated Log P Data: Log P -10.8 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (mus, scu) 1246 mg/kg

Sigma: L4518

>>Derivative: 6-Phosphate

CAS Registry Number: 68978-11-0

Molecular Formula: $C_{29}H_{56}N_5O_{21}P$

Molecular Weight: 841.756

Accurate Mass: 841.320547

Percentage Composition: C 41.38%; H 6.71%; N 8.32%; O 39.92%; P 3.68%

Biological Source: Prod. by *Streptomyces lividus*

Biological Use/Importance: Antibacterial agent

Physical Description: Powder

Optical Rotation: $[\alpha]_D +76.9$ (H_2O)

Solubility: BERDY SOL: Sol. H_2O , MeOH; poorly sol. Me_2CO , hexane

UV: [neutral] λ_{max} 200 () (H_2O) [neutral] λ_{max} (H_2O) (Berdy)

>>Derivative: 4"-Deglycosyl

Synonym(s): Lividomycin B. Quintomycin D. SF 767D. Antibiotic SF 767D

CAS Registry Number: 37636-51-4

Molecular Formula: $C_{23}H_{45}N_5O_{13}$

Molecular Weight: 599.634

Accurate Mass: 599.30139

Percentage Composition: C 46.07%; H 7.56%; N 11.68%; O 34.69%

Biological Source: Prod. by *Streptomyces lividus*

Physical Description: Amorph. powder

Melting Point: Mp 178-184 dec.°

Optical Rotation: $[\alpha]_D^{25} +62$ (c, 1 in H_2O)